

State of California
Department of Water Resources
PROPOSITION 50 Water DESALINATION GRANTS - 2005 Funding Cycle

Desalination Review Panel Consensus Ranking List of Applications
(03/24/05)

CONSTRUCTION PROJECTS

Rank	DWR ID	Applicant	Project Title	Project Cost	\$Requested
1	032	Marin Municipal Water District	MMWD Desalination Plant	\$77,172,043.00	\$5,000,000
2	037	Alameda County Water District	Phase 2 Brackish Groundwater Desalination Facility	\$10,141,000.00	\$5,000,000
3	034	Inland Empire Utilities Agency	Chino II Desalter Expansion	\$17,046,000.00	\$5,000,000
4	036	City of Sand City	Sand City Water Supply Project (SCWSP)	\$11,989,000.00	\$5,000,000
5	018	Cambria Community Services District	Cambria Desalination Project	\$17,100,000.00	\$5,000,000
6	033	San Diego County Water Authority	Conveyance Facility Design for a Regional Seawater Desalination Project at the Encina Power Station	\$7,469,498.00	\$3,734,749
7	002	Carlsbad Municipal Water District	Carlsbad Desalination Project Phase I Distribution System	\$40,000,000.00	\$5,000,000
8	011	SDSU Foundation Center for Advanced Water Technologies	Construction Sweetwater Authority Hybrid Desalination Plant	\$9,719,000.00	\$4,859,500
Total				\$190,636,541.00	\$38,594,249.00

PILOTS AND DEMONSTRATIONS

Rank	DWR ID	Applicant	Project Title	Project Cost	\$Requested
1	029	City of Santa Cruz	Test Technology Innovations and Optimize Systems in the City of Santa Cruz Desalination Pilot Plant	\$3,971,007.00	\$1,982,601
2	005	Board of Water Commissioners of the City of Long Beach	Under Ocean Floor Seawater Intake and Discharge Demonstration Project	\$5,180,000.00	\$2,500,000
3	022	Eastern Municipal Water District	Desalination Recovery Enhancement and Concentrate Management Study	\$790,000.00	\$395,000
4	004*	Marin Municipal Water District	Seawater Desalination Pilot Plant Program	\$1,502,948.00	\$300,000
5	031	City of San Diego	San Pasqual Brackish Groundwater Desalination Project - Phase III	\$5,090,000.00	\$2,500,000
6	012	Coachella Valley Water District	Coachella Valley Groundwater Desalination Project	\$1,193,830.00	\$596,915
7	028	West Basin Municipal Water District	Demonstration of Integrated Membrane Seawater Desalination Using Single-Pass RO for the Los Angeles Region	\$10,213,435.00	\$2,499,716
8	039	Los Angeles Department of Water and Power	Seawater Desalination Pilot Project	\$2,541,000.00	\$985,000
9	017	East Bay Municipal Water District (EBMUD)	C&H - EBMUD Desalination Demonstration Project	\$11,966,869.00	\$2,500,000
10	042	Pajaro / Sunny Mesa Community Services District	Pilot Plant Program for the North Monterey County Desalination Project	\$2,699,807.00	\$1,349,904
11	019	University of Nevada, Reno	A Novel Hybrid Membrane Desalination Process with Minimal Pretreatment and Concentrate	\$5,026,579.00	\$2,409,665
12	021	Lawrence Livermore National Laboratory	Field Induced Charged Membranes For Demineralization	\$3,500,000.00	\$1,750,000
13	009	SDSU Foundation Center for Advanced Water Technologies	Salton Sea Desalination Demonstration Project	\$1,542,205.00	\$821,600
14	010	SDSU Foundation Center for Advanced Water Technologies	Imperial County Aquifer Desalination Demonstration Project	\$1,643,225.00	\$769,405
Total				\$56,860,905.00	\$21,359,806.00

* Agency Team and Review Panel suggested not to fund in case the applicant is awarded a construction grant.

RESEARCH AND DEVELOPMENT

Rank	DWR ID	Applicant	Project Title	Project Cost	\$Requested
1	003	Professors Yoram Cohen and Eric M.V. Hoek University of California, Los Angeles	UCLA Desalination Research Innovation Project	\$2,678,853.00	\$1,000,000
2	014	Municipal Water District of Orange County	Horizontal Well Technology Application in Alluvial Marine Aquifers for Ocean Feedwater Supply and Pretreatment	\$2,336,903.00	\$1,000,000
3	020	Lawrence Livermore National Laboratory	Desalination Using Electrostatic Ion Pumping	\$1,991,390.00	\$995,695
4	001	Board of Water Commissioners of the City of Long Beach	Ultraviolet Light and Chlorine Dioxide Seawater Pretreatment Systems for Biogrowth Control and Pathogen Inactivation	\$2,000,000.00	\$1,000,000
5	013	Regents of the University of California	Developing a Tool to Guide State and Local Desalination Planning	\$2,597,149.00	\$909,051
6	008	Calleguas Municipal Water District	Study of Low Concentration Metals Removal from Brine	\$200,000.00	\$100,000
7	023	Joint Water Reuse & Desalination Task Force (JWR&DTF)	Joint DWR-JwR&DTF Seawater and Brackish Water Research and Development Program	\$2,000,000.00	\$1,000,000
8	038	City of San Diego	Mission Valley Brackish Groundwater Desalination Project	\$1,605,000.00	\$802,000
9	030	City of Santa Cruz	Compare Source Water Assessment Models and Investigate Emerging Contaminants	\$2,010,906.00	\$984,000
10	026	West Basin Municipal Water District	Advanced Treatability Issues Associated with Integrated Membrane Treatment for Seawater Desalination	\$2,457,912.00	\$989,652
11	024	U.S. Geological Survey	Research and Development of Solar Distillation Loop	\$990,800.00	\$481,500
Total				\$20,868,913.00	\$9,261,898.00

FEASIBILITY STUDIES

Rank	DWR ID	Applicant	Project Title	Project Cost	\$Requested
1	041	San Benito County Water District	Pajaro Watershed Groundwater Desalination Feasibility Study	\$490,000.00	\$245,000
2	007	East Bay Municipal Utility District, on behalf of the Bay Area Regional Desalination Partnership	Bay Area Regional Desalination Project	\$499,512.00	\$249,756
3	040	City of San Diego	San Diego Formation Brackish G.W. Desalination Project - Phase II	\$500,000.00	\$249,700
4	025	The Association of Monterey Bay Governments (AMBAG)	Desalination Feasibility Study in the Monterey Bay Region	\$211,970.00	\$100,000
5	027	West Basin Municipal Water District	Full Scale Seawater Desalination Facility Permitting Requirements in the Santa Monica Bay Area	\$590,820.00	\$246,005
6	035	San Diego County Water Authority	Feasibility Study for Seawater Desalination at the San Onofre Nuclear Generating Station	\$800,000.00	\$250,000
7	006	Western Municipal District	Feasibility Study for the Expansion of the Arlington Desalter	\$595,218.00	\$249,992
8	015	East Niles Community Services District	Saline Shallow Groundwater Recovery Project	\$249,541.00	\$249,541
9	016	Montara Water and Sanitary District	Feasibility Study of Brackish Water Desalination	\$500,000.00	\$250,000
Total				\$4,437,061.00	\$2,089,994.00